

# INSTALLATION GUIDE

## MindEd

Updatable documentation

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Date : 01/12/2009

**Revue by**

Date :

DIFFUSION			
Mind Users			
Version	Date	Writer	Commentaries
UPDATES of document, derived from standrad			
V0.1	01/12/2009	RPU	Base version for MindEd 0.1
V0.2	02/04/2010	OMA	Update of plug-in versions and updates sites.
V0.3	06/04/2010	RPU	English translation, update installation for MindEd 0.2.



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'infiniment petit, infiniment utile

**MINALOGIC**

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## 1. OVERVIEW:

### 1.1. MindEd overview

MindEd is an Eclipse plug-in developed in a Minalogic project. MindEd has been developed in order to help fractal developers by providing a development platform based on Mind language to:

- Includes all needed editors (ADL, ITF, and CPL) providing advanced features helping developers with easy working (Completion, outlines, validation, quick fixes...)
- Increases developments quality => languages validation (ADL, ITF, CPL, embedded toolChain compilation returns)
- Increases developments time and quality => Graphical architecture overview of ADL, Easy navigation between different files
- Easy use of ADL developments with graphical editor => Easier for fractal beginners or hard architecture manipulations like component bindings.

### 1.2. Document goals

This document describes full installation process for MindEd plug-in users. It explains how to install step by step and from a clean machine with installed operating system the MindEd plug-in. Please, follow each installation step cautiously in order to prevent plug-in issues due to architecture complexity of used eclipse plug-ins (high complexity dependencies tree).

**Note for users who already have an Eclipse version installed:** It is highly recommended to re-install an Eclipse version - from scratch.



## 2. VALIDATED CONFIGURATIONS:

### 2.1. Configuration 1:

- Windows XP - SP2
- Processor : Dual-Core 2Ghz
- RAM : 2GB
- HD : 80 GB

### 3. ECLIPSE ENVIRONMENT

#### 3.1. Abbreviations

- TMF : Textual Modeling Framework
- EMF : Eclipse Modeling Framework
- GMF : Graphical Modeling Framework

#### 3.2. Pre-requisites

MindEd needs an Eclipse installation with the following plug-ins :

**GMF 2.3.0M6**

**EMF 2.6.0M5**

**TMF xText 1.0.0M6**

**CDT 7.0**

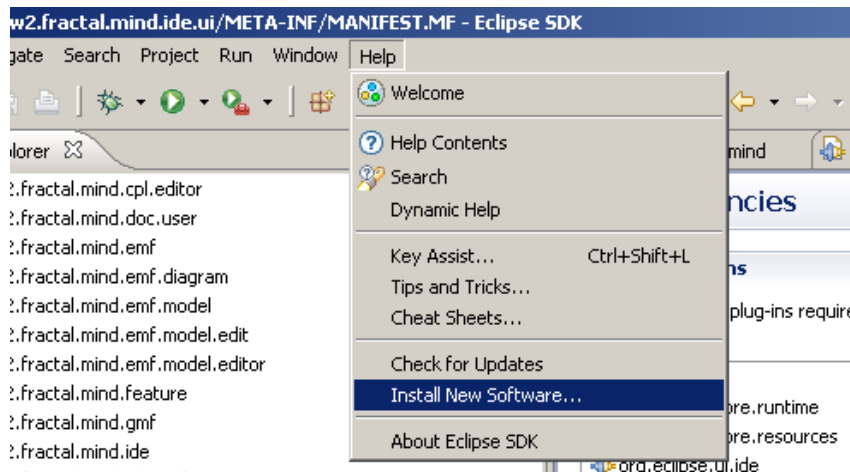
**Eclipse C/C++ Development Tools 7.0**

**CDT Utilities**

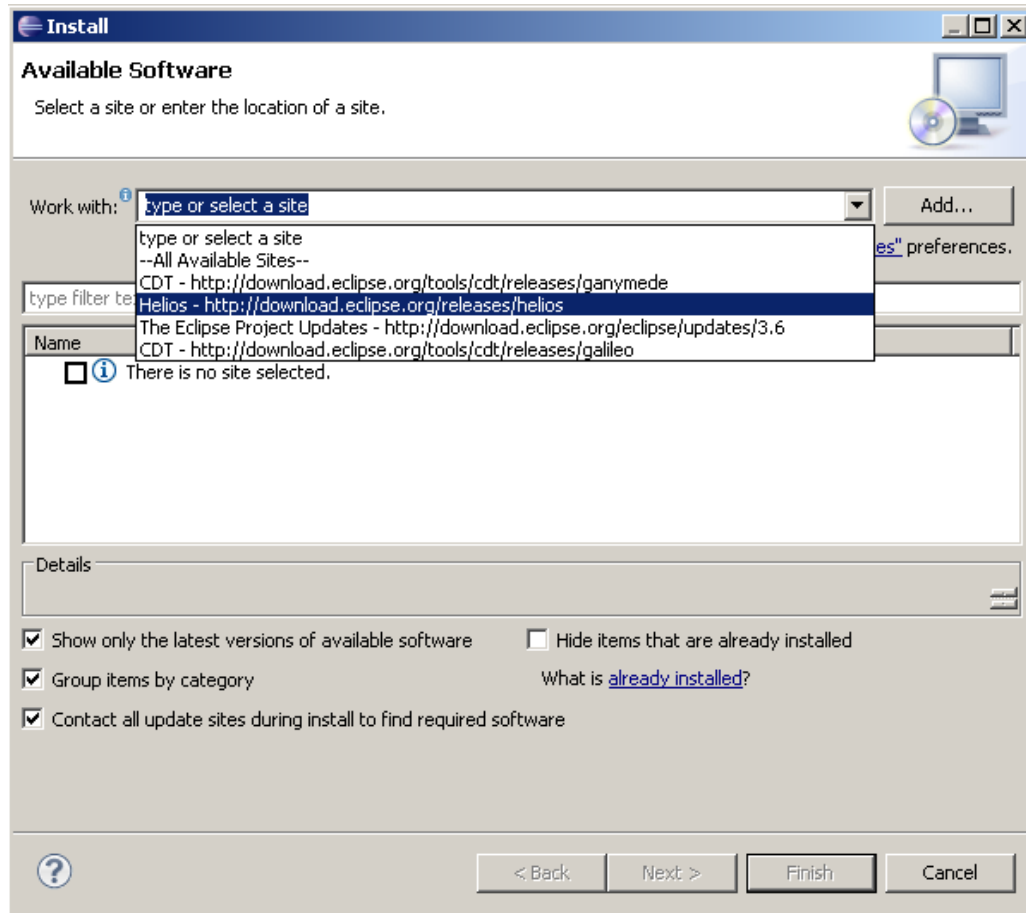
Unfortunately, some of these versions are no longer available on official update sites and will require manual installation. Most of them will be automatically installed, though.

Here is the procedure to get your Eclipse installation ready for MindEd 0.2 :

1. Download Eclipse SDK Galileo 3.6RC1 at <http://download.eclipse.org/eclipse/downloads/>
2. Go in 'Help/Install new Software' menu

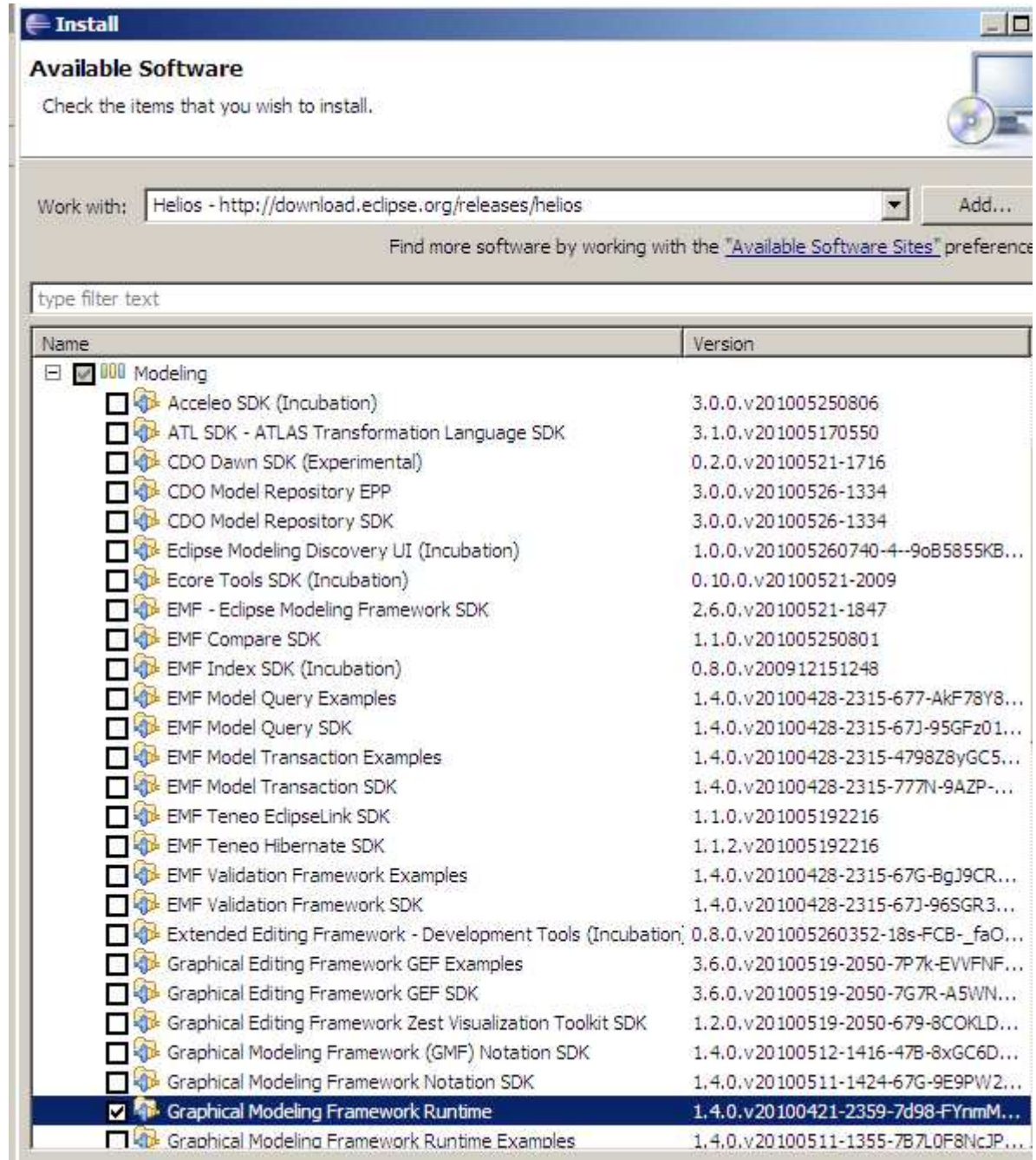


3. Select default update site (or add it) : <http://download.eclipse.org/releases/helios>



4. List of plugins appears. Select following plugins :

- Graphical Modeling Framework Runtime (will automatically install EMF)

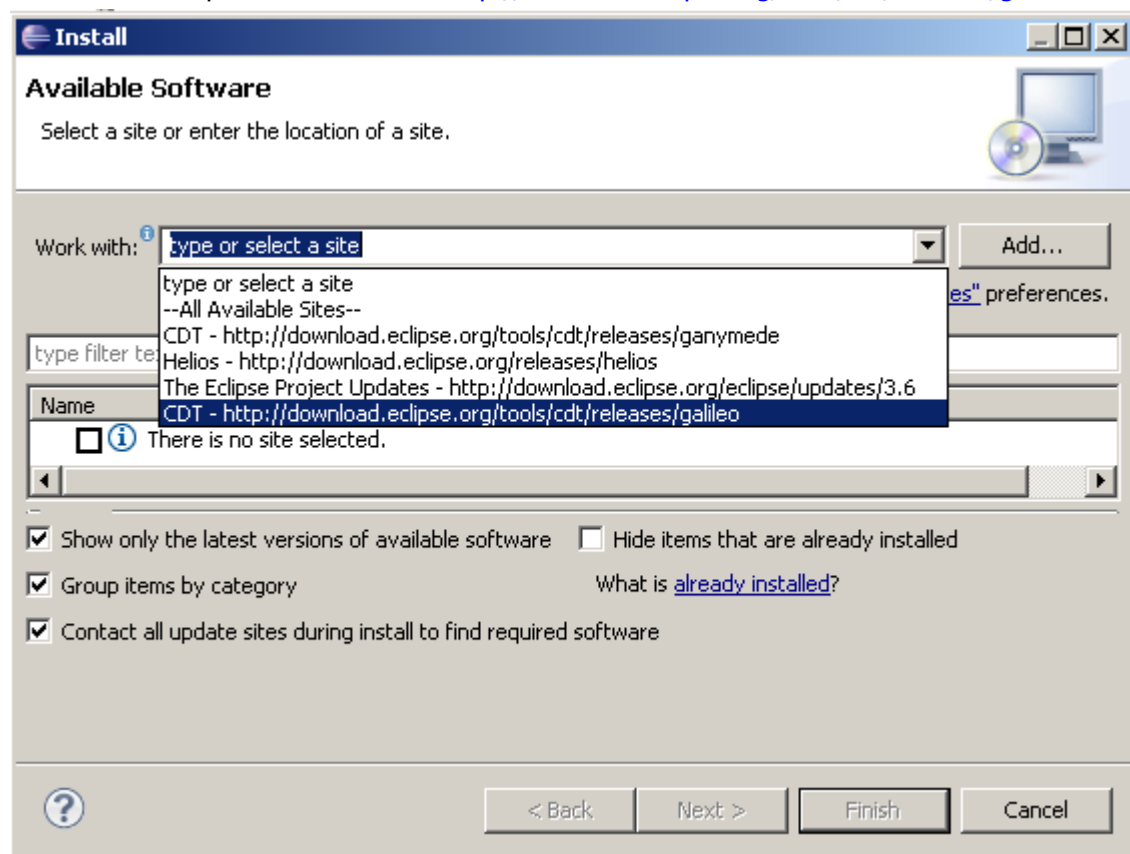




- Eclipse C/C++ Development Tools 7.0.0

Name	Version
[-] <input checked="" type="checkbox"/> Programming Languages	
<input type="checkbox"/> Autotools support for CDT (Incubation)	2.0.0.201003020944
<input type="checkbox"/> C/C++ Call Graph Visualization (Incubation)	0.0.1.201003020944
<input type="checkbox"/> C/C++ Library API Documentation Hover Help (Incubation)	0.2.0.201003020944
<input type="checkbox"/> Dynamic Languages Toolkit - iTcl Development Tools	2.0.0.v20090730-1514-4--9oA57D5...
<input type="checkbox"/> Dynamic Languages Toolkit - Ruby Development Tools	2.0.0.v20090730-1514-7G--E_EkMPL...
<input type="checkbox"/> Dynamic Languages Toolkit - TCL Development Tools	2.0.0.v20100115-2213-7L0-EC3wSZI...
<input type="checkbox"/> Dynamic Languages Toolkit - XOTcl Development Tools	2.0.0.v20090730-1514-5--_kE79O7L...
<input checked="" type="checkbox"/> Eclipse C/C++ Development Tools	7.0.0.201003151310
<input type="checkbox"/> Eclipse Java Development Tools	3.6.0.v20100308-1800-7z8XFRBFMT...
<input type="checkbox"/> Eclipse XML Editors and Tools	3.2.0.v200906300123-7H7AFPbDxu...
<input type="checkbox"/> JavaScript Development Tools	1.2.0.v201003011311-7C78FGDF9Jg...
<input type="checkbox"/> Photran End-User Runtime	6.0.0.201003160939

- Click Next, check if no error and then finish (wait for Eclipse to install plugins, it may ask for restart Eclipse)
- Go back to 'Help/Install New Software' menu
- Add a new update site for CDT : <http://download.eclipse.org/tools/cdt/releases/galileo>

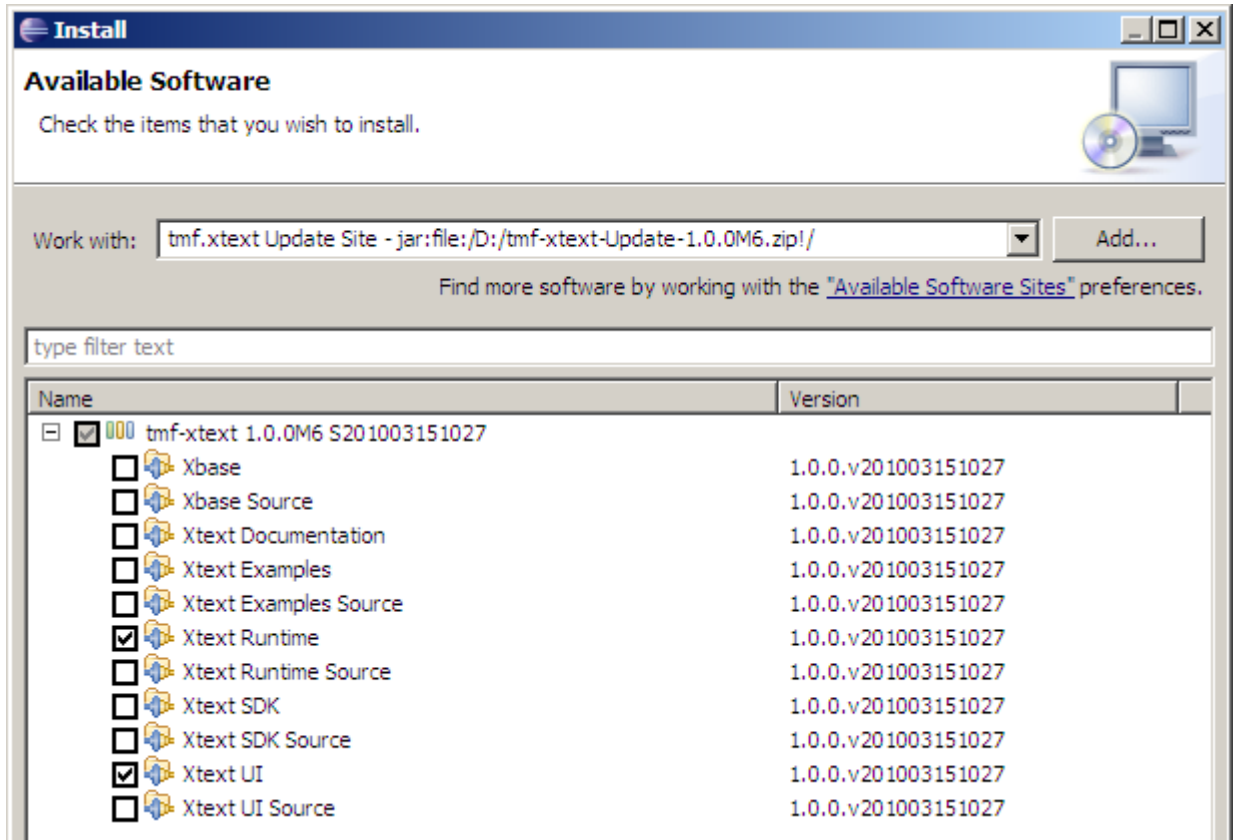


- Select and install 'CDT Utilities5.1.0'

Name	Version
<input type="checkbox"/> CDT Main Features	
<input checked="" type="checkbox"/> CDT Optional Features	
<input type="checkbox"/> CDT Debugger Services Framework (DSF) Examples	2.0.0.201002161416
<input type="checkbox"/> CDT GCC Cross Compiler Support	1.0.0.201002161416
<input type="checkbox"/> CDT GNU Toolchain Build Support	6.0.0.201002161416
<input type="checkbox"/> CDT GNU Toolchain Debug Support	6.0.0.201002161416
<input checked="" type="checkbox"/> CDT Utilities	5.1.0.201002161416
<input type="checkbox"/> Eclipse C/C++ Development Platform	6.0.2.201002161416
<input type="checkbox"/> Eclipse C/C++ DSF gdb Debugger Integration	2.0.0.201002161416
<input type="checkbox"/> Eclipse C/C++ GDB Hardware Debugging	5.1.0.201002161416
<input type="checkbox"/> Eclipse C/C++ Memory View Enhancements	1.2.0.201002161416
<input type="checkbox"/> Eclipse C/C++ Remote Launch	6.0.0.201002161416
<input type="checkbox"/> Eclipse CDT p2 Toolchain Installer	1.0.0.201002161416
<input type="checkbox"/> Eclipse CDT Testing Feature	6.0.0.201002161416
<input type="checkbox"/> LR Parser	5.1.0.201002161416
<input type="checkbox"/> LR Parser SDK Feature	5.1.0.201002161416
<input type="checkbox"/> Mylyn Bridge: C/C++ Development	5.1.0.201002161416
<input type="checkbox"/> Unified Parallel C Support	5.1.0.201002161416
<input type="checkbox"/> Unified Parallel C Support SDK Feature	5.1.0.201002161416
<input type="checkbox"/> XL C/C++ Compiler Support	6.0.0.201002161416
<input type="checkbox"/> XL C/C++ Compiler Support SDK	6.0.0.201002161416

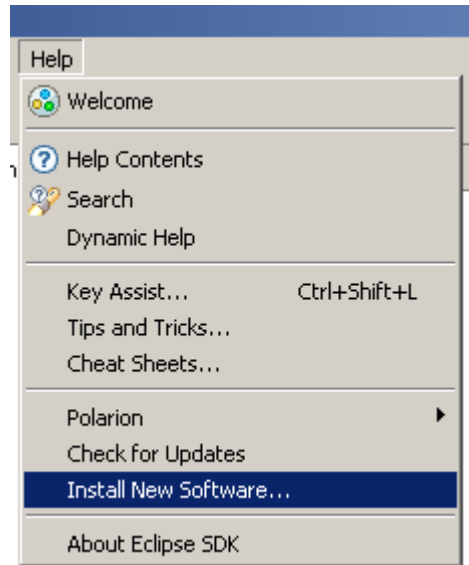
Installing TMF xText will be a bit tricky, because the version we used are no longer available and new versions are not backward compatible.

9. Download Google Guice here :  
[http://download.forge.objectweb.org/mind/com.google.guice\\_2.0.0.v201003150805.zip](http://download.forge.objectweb.org/mind/com.google.guice_2.0.0.v201003150805.zip)
10. Unzip it in your Eclipse/plugins/ directory
11. Download TMF 1.0.0M6 here :  
<http://www.eclipse.org/downloads/download.php?file=/modeling/tmf/xtext/downloads/drops/1.0.0/S201003151027/tmf-xtext-Update-1.0.0M6.zip>
12. This is an archived update-site. To install TMF, go back to 'Help/Install New Software' and click on 'Add' then 'Archive' and select the zip you just downloaded
13. Select Xtext Runtime and Xtext UI

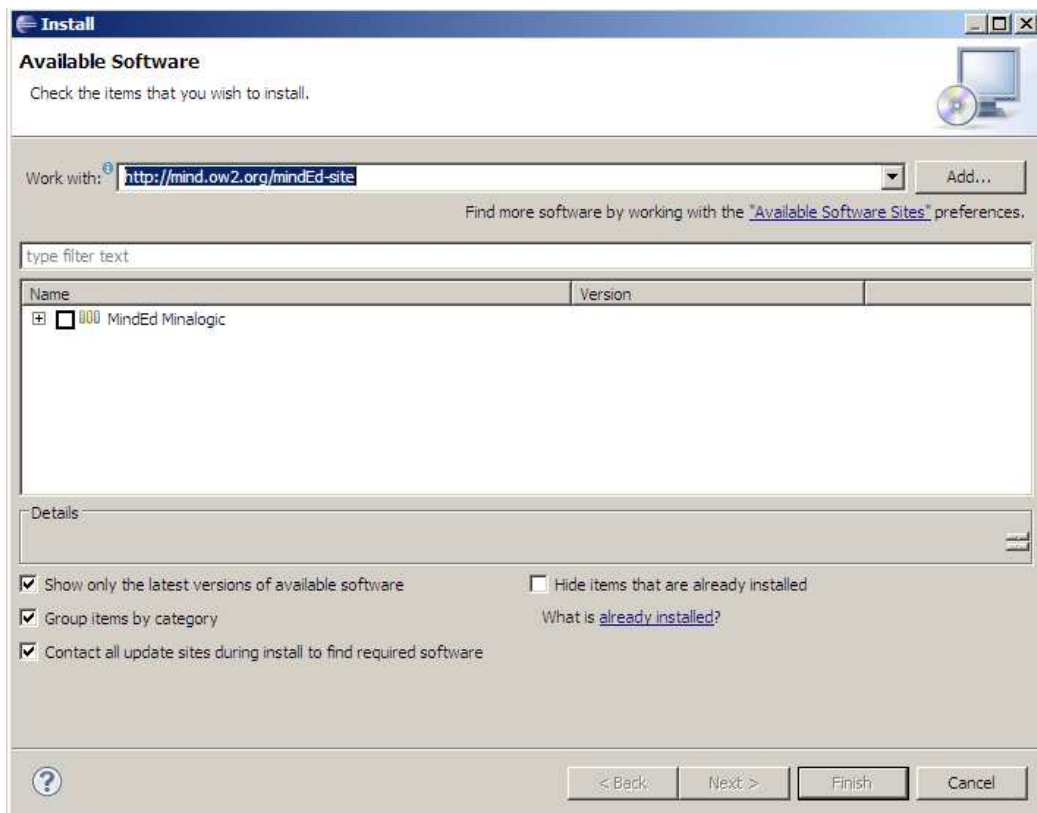


## 4. INSTALLATION WITH UPDATE SITE

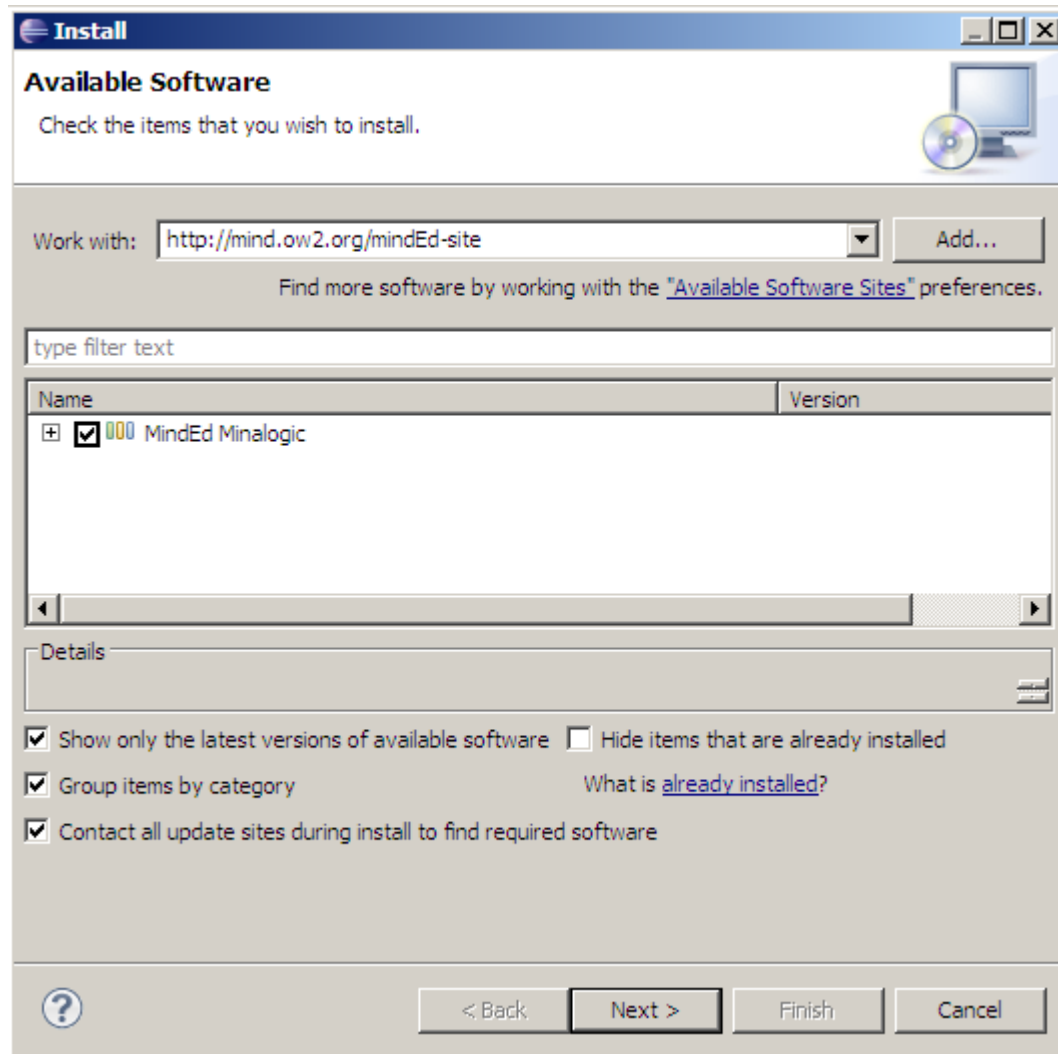
- ⇒ Launch Eclipse 3.6.
- ⇒ Go in following menu : Help/Install New Software



- ⇒ In "Work with" enter following url : <http://mind.ow2.org/mindEd-site>



- ⇒ Validate

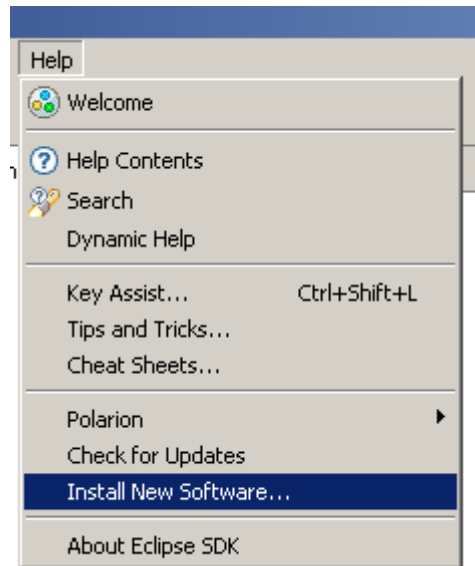


- ⇒ Select MIND Minalogic and continue plugin installation
- ⇒ Restart Eclipse

## 5. INSTALLATION WITH ZIP ARCHIVE

⇒ Download last plugin version at following url :  
<http://download.forge.objectweb.org/mind/mindEd-0.2.zip>

⇒ Go in menu : Help/Install New Software



- ⇒ In "Work with", clic on 'add...' and then clic on 'Archive...'
- ⇒ Select the path of the zip file you just downloaded.
- ⇒ Select MIND Minalogic to install
- ⇒ Follow installation process
- ⇒ Restart Eclipse